



DR P-PSDB: AAM24098.

xx Isolated polypeptide for treatment of diseases, diagnostics, raising  
PT antibodies and research use -  
xx

PS Claim 1: Page 597-598; 1275bp; English.

xx The present invention provides the protein and coding sequences of novel  
CC proteins from a variety of organisms, including human, dog, cat, horse,  
CC cow, pig, hamster, monkey, macaque, yeast, bacteria, fruit fly, sea  
CC urchin and tomato. These were derived from expressed sequence tags (ESTs)  
CC from the organism of interest. They can be used in diagnostics,  
CC forensics, gene mapping, identification of mutations, to assess  
CC biodiversity and for nutritional purposes. The present sequence is a cDNA  
CC of the invention.

xx Sequence 3629 BP: 837 A: 1061 C: 1000 G: 731 T: 0 other;

#### Query Match

99.5%; Score 3611.4; DB 22; Length 3629;  
Best Local Similarity 99.7%; Pred. No. 0;  
Matches 3618; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

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ID	AAAF44697	standard; cDNA; 2769 BP.	
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AC	AAAF44697;		
DT	27-MAR-2001	(first entry)	
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DE	Novel protein kinase cDNA, SEQ ID NO: 78.		
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KW	Human; mouse; protein kinase; antiarthritis; antisclerotic; osteopathi-		
KW	immunosuppressive; cardiant; renal; antiinflammatory; antilastmatic;		
KW	dermatologic; antidiabetic; antifertility; gene therapy; vaccine;		
KW	immune disorder; cardiovascular disease; neurodegenerative disease;		
KW	cancer; autoimmune disorder; stroke; inflammatory bowel disease;		
KW	inflammatory pelvic disease; multiple sclerosis; psoriasis; ss.		
XX			
OS	Homo sapiens.		
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PN	WO200073469-A2.		
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PD	07-DEC-2000.		
XX			
PF	26-MAY-2000; 2000WO-US14842.		



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RESULT 3
AA115530/C
ID AA115530 standard; DNA; 471 BP.
XX
AC AA115530;
XX
DT 12-OCT-2001 (first entry)
XX
DE Probe: #5463 for gene expression analysis in human cervical cell sample.
XX
KW Probe; human; microarray; gene expression; cervical epithelial cell;
XX cervical cancer; ss.
XX
OS Homo sapiens.
XX
PN WO200157278-A2.
XX
PD 09-AUG-2001.
XX
PF 30-JAN-2001; 2001WO-US00670.
XX
PR 04-FEB-2000; 2000US-0180312.
XX
PR 26-MAY-2000; 2000US-0207456.
XX
PR 30-JUN-2000; 2000US-0608408.
XX
PR 03-AUG-2000; 2000US-0632366.
XX
PR 21-SEP-2000; 2000US-0234687.
XX
PR 27-SEP-2000; 2000US-0236359.
XX
PR 04-OCT-2000; 2000GB-0024263.
XX
PA (MOLE-) MOLECULAR DYNAMICS INC.
XX
PI Penn SG, Hanzel DK, Chen W, Rank DR;
XX
DR WPI; 2001-488901/53.
XX
PT Human genome-derived single exon nucleic acid probes useful for
XX analyzing gene expression in human cervical epithelial cells -
XX
PS Claim 25; SEQ ID NO 5463; 487bp; English.
XX
CC The present invention relates to human single exon nucleic acid probes
CC (SENP). The present sequence is one such probe. The SENPs are derived
CC from human HeLa cells. The SENPs can be used to produce a single exon
CC microarray, which can be used for measuring human gene expression in a
CC sample derived from human cervical epithelial cells. By measuring gene
CC expression, the probes are therefore useful in grading and/or staging
CC of diseases of the cervix, notably cervical cancer.
CC Note: The sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ Sequence 471 BP; 84 A; 130 C; 164 G; 93 T; 0 other;
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PR 04-FEB-2000; 2000US-0180312.  
PR 26-MAY-2000; 2000US-0207456.  
PR 30-JUN-2000; 2000US-0608408.  
PR 03-AUG-2000; 2000US-0632366.  
PR 21-SEP-2000; 2000US-0234687.  
PR 27-SEP-2000; 2000US-0236359.  
PR 04-OCT-2000; 2000GB-0024263.  
XX  
XX  
XX (MOLE-) MOLECULAR DYNAMICS INC.  
XX  
XX Penn SG, Hanzel DK, Chen W, Rank DR;  
XX WPI; 2001-488897/53.  
XX  
XX  
XX Human genome-derived single exon nucleic acid probes useful for  
XX analyzing gene expression in human placenta -  
XX  
XX  
XX Claim 25; SEQ ID No 8002; 654pp; English.  
XX  
XX The present invention relates to single exon nucleic acid probes (SENP).  
XX The present sequence is one such probe. The probes are useful for  
XX producing a microarray for predicting, measuring and displaying gene  
XX expression in samples derived from human placenta. The probes are useful  
XX for antenatal diagnosis of human genetic disorders.  
XX  
XX  
XX Sequence 485 BP; 107 A; 158 C; 104 G; 116 T; 0 other;  
SQ  
Query Match 7.1%; Score 256; DB 22; Length 485;  
Best Local Similarity 100.0%; Pred. NO. 1.4e-49;  
Matches 256; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 684 ccaacttctgtccaaatggtgatggtgctgtgactgtgacgttgagacagtgaaatctggtggaagt 743  
DB 485 CCACCTTGATGTCATGATGATGGATGGCTGTGCTGACTGTGACATGATGATCTGGGAGACT 426  
QY 744 cctgtgagatccaaaactagcctccctggtgtgtgaccttttctgtgcaagggaggg 803  
DB 425 CCTGTGGATCCAAACTACGCTCCCTGCTGTGGCTTTTATGTCGACAGCGGAGGG 366  
QY 804 tctgtggaagtgatgcacatcaatcgtcgtgtgagagaccgtgcctatctgacctcat 863  
DB 365 TCTGAGGAAGTGATGCACATCAATGTCCTGTGAGACCTTCCGCTATCTACCTTCAT 306  
QY 864 gtctgtggaagtggtggtgcgacacaaagtgtgaagtacccgttccccaagagacagaagtc 923  
DB 305 GCTGTGGAGGTGGGGCGCATCAAAAGTGAAGTACCGCTTCCCAAGAGACAGAGGC 246  
924 caagagcaagctgagc 939  
245 CAAGAGCAAGCTGACG 230  
RESULT 8  
AA137606/C  
ID AA137606 standard; DNA: 455 BP.  
XX  
XX  
XX AA137606;  
XX  
XX 17-OCT-2001 (first entry)  
XX  
XX Probe #6292 used to measure gene expression in human placenta sample.  
XX  
XX  
XX Probe; microarray; human; placenta; antenatal diagnosis;  
XX  
XX genetic disorder; ss.  
XX  
XX Homo sapiens.  
XX  
XX WO200157272-A2.  
XX  
XX 09-AUG-2001.  
XX  
XX 30-JAN-2001; 2001WO-US00663.  
XX

XX  
XX 04-FEB-2000; 2000US-0180312.  
XX  
XX 26-MAY-2000; 2000US-0207456.  
XX  
XX 30-JUN-2000; 2000US-0608408.  
XX  
XX 03-AUG-2000; 2000US-0632366.  
XX  
XX 21-SEP-2000; 2000US-0234687.  
XX  
XX 27-SEP-2000; 2000US-0236359.  
XX  
XX 04-OCT-2000; 2000GB-0024263.  
XX  
XX  
XX (MOLE-) MOLECULAR DYNAMICS INC.  
XX  
XX Penn SG, Hanzel DK, Chen W, Rank DR;  
XX WPI; 2001-488897/53.  
XX  
XX  
XX Human genome-derived single exon nucleic acid probes useful for  
XX analyzing gene expression in human placenta -  
XX  
XX  
XX Claim 25; SEQ ID No 6292; 654pp; English.  
XX  
XX The present invention relates to single exon nucleic acid probes (SENP).  
XX The present sequence is one such probe. The probes are useful for  
XX producing a microarray for predicting, measuring and displaying gene  
XX expression in samples derived from human placenta. The probes are useful  
XX for antenatal diagnosis of human genetic disorders.  
XX  
XX  
XX Sequence 455 BP; 94 A; 113 C; 154 G; 94 T; 0 other;  
SQ  
Query Match 6.9%; Score 250.2; DB 22; Length 455;  
Best Local Similarity 98.8%; Pred. NO. 2.9e-48;  
Matches 252; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
QY 1520 agcacagcagttccagaagaactggaagaatcagtcctctgacagcagcagcagc 1579  
DB 455 AGCACCAGAGTTCAGAAAGAAAGAGAGAGATCAAGTCAAGTCTCTGACAGCAGCAGCAGC 396  
QY 1580 agctcccttcacccacactgtgagaacagggctcaggaaggcgagctctgtgacagttctg 1639  
DB 395 ACGTCGCCCTTCCACCACCTGAGACACGCTCAGAGACGGCGAGCGCTCTGAGACAGTCTG 336  
QY 1640 gcccgtaactcagaagagctcgtggcaccagagcccgacagcagctccccaagggctccaac 1699  
DB 335 GCCCGTACTCAGAGAGCTCGGGCACCAGCAGCCCAAGCAGCTCCCAAGGCGCTCCACAC 276  
QY 1700 actgcctctgtcccgagctctgctcccaaggctgtgcaagcagccctccctgtgaacaag 1759  
DB 275 ACTGCGTGTGCTCCGGCAGCTCTGCGCTCCAGAGGCTGGCAGAGCCCTCTCGAACAAG 216  
QY 1760 acgatggagatgagg 1774  
DB 215 ACGATGAGAGTAAG 201  
RESULT 9  
AA124756/C  
ID AA124756 standard; DNA: 231 BP.  
XX  
XX  
XX AA124756;  
XX  
XX 12-OCT-2001 (first entry)  
XX  
XX Probe #14689 for gene expression analysis in human cervical cell sample.  
XX  
XX  
XX Probe; microarray; gene expression; cervical epithelial cell;  
XX  
XX cervical cancer; ss.  
XX  
XX Homo sapiens.  
XX  
XX WO200157278-A2.  
XX  
XX 09-AUG-2001.  
XX  
XX



PF 30-JAN-2001; 2001WO-US00670.  
XX  
XX 04-FEB-2000; 2000US-0180312.  
PR 26-MAY-2000; 2000US-0207456.  
PR 30-JUN-2000; 2000US-0608408.  
PR 03-AUG-2000; 2000US-0632366.  
PR 21-SEP-2000; 2000US-0234687.  
PR 27-SEP-2000; 2000US-0236359.  
PR 04-OCT-2000; 2000GB-0024263.  
XX  
XX (MOLE-) MOLECULAR DYNAMICS INC.  
PA  
XX Penn SG, Hanzel DK, Chen W, Rank DR;  
PI WPI: 2001-488901/53.  
XX  
XX Human genome-derived single exon nucleic acid probes useful for  
PT analyzing gene expression in human cervical epithelial cells -  
XX  
XX Claim 25; SEQ ID No 14689; 487bp; English.  
XX  
XX The present invention relates to human single exon nucleic acid probes  
CC (SENP). The present sequence is one such probe. The SENPs are derived  
CC from human HeLa cells. The SENPs can be used to produce a single exon  
CC microarray, which can be used for measuring human gene expression in a  
CC sample derived from human cervical epithelial cells. By measuring gene  
CC expression, the probes are therefore useful in grading and/or staging  
CC of diseases of the cervix, notably cervical cancer.  
CC Note: The sequence data for this patent did not form part of the printed  
CC specification, but was obtained in electronic form directly from WIPO  
CC at ftp.wipo.int/pub/published\_pct\_sequences.  
XX  
SQ Sequence 231 BP; 43 A; 52 C; 93 G; 43 T; 0 other;

Query Match 5.8%; Score 211.8; DB 22; Length 231;  
Best Local Similarity 99.1%; Pred. No. 1.6e-39;  
Matches 213; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2816 aagaagaccactaccgagagctgctgcagagagtcgagagagctggagaccctcccg 2875  
DB 215 AGAAGACCACTACCGGAGAGCTGCGAGAGTGGGAGAGCGTGGGTCCCTCCCG 156  
QY 2876 acgactctgctgctactcagctcgtctcgtcccaactcctcgacacactaccggg 2935  
DB 155 ACGACTTCGTGCTACTCTTCACTCTGCTCCCACTCTCTCGACACACTTACCGGG 96  
QY 2936 ccatgagagctgagcagcagagagactctcagagcctactactcagagccccag 2995  
DB 95 CCATGGAGCTGGACAGCCAGAGACTCTTCAGGCCCTACTACTCCAGAGCCCCCAG 36  
QY 2996 agccccagccccagtgactcagagacgacctga 3030  
DB 35 AGCCCCAGCCCCAGTACTCCAGAGCGCCCTCTGA 1

RESULT 10  
AA150167/c  
ID AA150167 standard; DNA: 231 BP.  
XX  
XX AA150167;  
AC  
XX  
XX 17-OCT-2001 (first entry)  
DT  
XX  
XX Probe #18853 used to measure gene expression in human placenta sample.  
DE  
XX  
XX Probe; microarray; human; placenta; antenatal diagnosis;  
KW  
XX genetic disorder; ss.  
XX  
XX Homo sapiens.  
OS  
XX  
XX WO200157272-A2.  
PN  
XX

PD 09-AUG-2001.  
XX  
XX 30-JAN-2001; 2001WO-US00663.  
XX  
XX 04-FEB-2000; 2000US-0180312.  
PR 26-MAY-2000; 2000US-0207456.  
PR 30-JUN-2000; 2000US-0608408.  
PR 03-AUG-2000; 2000US-0632366.  
PR 21-SEP-2000; 2000US-0234687.  
PR 27-SEP-2000; 2000US-0236359.  
PR 04-OCT-2000; 2000GB-0024263.  
XX  
XX (MOLE-) MOLECULAR DYNAMICS INC.  
PA  
XX Penn SG, Hanzel DK, Chen W, Rank DR;  
PI WPI: 2001-488997/53.  
XX  
XX Human genome-derived single exon nucleic acid probes useful for  
PT analyzing gene expression in human placenta -  
XX  
XX Claim 25; SEQ ID No 18853; 654bp; English.  
XX  
XX The present invention relates to single exon nucleic acid probes (SENP).  
CC The present sequence is one such probe. The probes are useful for  
CC producing a microarray for predicting, measuring and displaying gene  
CC expression in samples derived from human placenta. The probes are useful  
CC for antenatal diagnosis of human genetic disorders.  
XX  
SQ Sequence 231 BP; 43 A; 52 C; 93 G; 43 T; 0 other;

Query Match 5.8%; Score 211.8; DB 22; Length 231;  
Best Local Similarity 99.1%; Pred. No. 1.6e-39;  
Matches 213; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2816 aagaagaccactaccgagagctgctgcagagagtcgagagagctggagaccctcccg 2875  
DB 215 AGAAGACCACTACCGGAGAGCTGCGAGAGTGGGAGAGCGTGGGTCCCTCCCG 156  
QY 2876 acgactctgctgctactcagctcgtctcgtcccaactcctcgacacactaccggg 2935  
DB 155 ACGACTTCGTGCTACTCTTCACTCTGCTCCCACTCTCTCGACACACTTACCGGG 96  
QY 2936 ccatgagagctgagcagcagagagactctcagagcctactactcagagccccag 2995  
DB 95 CCATGGAGCTGGACAGCCAGAGACTCTTCAGGCCCTACTACTCCAGAGCCCCCAG 36  
QY 2996 agccccagccccagtgactcagagacgacctga 3030  
DB 35 AGCCCCAGCCCCAGTACTCCAGAGCGCCCTCTGA 1

RESULT 11  
AA11857  
ID AA11857 standard; cDNA: 1129 BP.  
XX  
XX AA11857;  
AC  
XX  
XX 13-MAR-2001 (first entry)  
DT  
XX  
XX Aspergillus oryzae EST SEQ ID NO:4380.  
DE  
XX  
XX Multiple gene expression; filamentous fungal cell; EST;  
KW expressed sequence tag; Fusarium venenatum; Aspergillus niger;  
KW Aspergillus oryzae; Trichoderma reesei; identification; recombination;  
KW culture condition; environmental stress; spore morphogenesis;  
KW metabolic pathway engineering; catabolic pathway engineering; ss.  
XX  
XX Aspergillus oryzae.  
OS  
XX  
XX WO200056762-A2.  
PN  
XX

